

2010 Chemistry Midterm Review**Unit 1: Alchemy (Lessons 1-27)**

Name:

Date:

Pd:

In order to study for the test, you should:

- ✓ Review all classroom outlines for Lessons 1-27
- ✓ Review all vocabulary terms which are located at the end of each lesson in a list
- ✓ Look over all activity worksheets done for Lessons 1-27
- ✓ Read the lesson summaries found at the end of each lesson
- ✓ Review quizzes and homework assignments for Lessons 1-27

A periodic table will be provided. Calculators will not be needed/permitted.

The following are some sample review questions for each lesson. This worksheet is a selected review for Lessons 1-27 and does NOT cover all material for the test. Also, be aware that you should review the concepts learned in these lessons but will also be required to apply this knowledge on the test.

LESSON 1: Lab Equipment & Safety

1. List 3 pieces of lab safety equipment in the classroom and their uses.

(Answers Will Vary) Examples: eye wash, safety shower, fire blanket
broken glass container, goggles, aprons

2. Sketch a picture and describe the use of:

a) flask



mix solutions
store solutions
perform reaction

b) ring stand



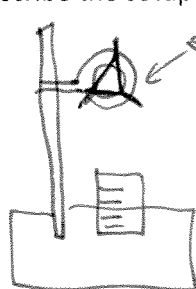
hold lab
equip in
place

c) graduated cylinder



measure volumes
of liquids

3. Draw and describe the setup used to separate a solid from a liquid in a *filtration*.



* ring stand, triangle, funnel, filter paper
goes on stand; beaker below

* Pour solution through funnel. Solid
gets trapped in funnel paper, liquid
flows through

LESSON 2: Introduction to Chemistry & Penny Lab

4. How did alchemists contribute to the modern study of chemistry? What is chemistry?

- Developed laboratory tools and chemistry techniques
- Classified substances

5. In the Penny for your Thoughts Lab, what observations did you note about the appearance of the penny? Did we turn the penny into a precious metal?

- Penny changed colors from copper to silver to gold color
- Did not turn into actual Au